

Shaurya Chandhoke

Senior Software Engineer

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SKILLS

Machine Learning: Deep Learning, Natural Language Processing, Computer Vision, AI, Data Science, Big Data

Software Engineering: Agile, CI/CD, OOP, TDD, Serverless, Microservice, Distributed Computing

Technologies: AWS, Spring, Jenkins, Spark, Docker, Kubernetes, GQL, Hibernate, RabbitMQ, Scikit-learn

Database: PostgreSQL, Oracle DB, Sybase IQ, MySQL, MongoDB, Elasticsearch, Redis, KDB+

WORK EXPERIENCE

JPMorgan Chase & Co, Jersey City, NJ

Senior Software Engineer, Credit Risk Reporting

Dec 2023 – Present

- Authored API for multi-terabyte level database hydration with custom-written stored procedures, enabling credit risk teams to access live merchant credit risk data with a 20% reduction in query times
- Upgraded monolithic credit risk Java app to Spring Boot MVC framework, enhancing batch processing efficiency by 30% and reducing ad hoc query response time by 15% as of FY24 Q1
- Spearheaded migration effort from SAP Sybase IQ to Gaia Oracle database platform, improving data warehousing and boosting data aggregation efficiency by 10% for various infrastructure services

ADP, Roseland, NJ

Senior Software Engineer, Marketplace

Sept 2023 – Dec 2023

- Constructed modular ML API recommendation system using AWS SageMaker, driving a 10% increase in user conversion rates within early Q1 by optimizing personalized suggestions
- Directed collaboration effort with engineers to migrate on-premise apps to AWS EC2, Lambda, and S3 distributed systems architecture to cut down operating costs by 17% in last few weeks of FY23

ADP, Roseland, NJ

Software Engineer, API Tooling

Aug 2020 – Sept 2023

- Developed API dictionary tool using Spring Boot and GraphQL to generate API metadata, yielding a 35% boost in API documentation search hits within days of initial tool deployment
- Generated monthly big data Python reports using Spark and Databricks to analyze user web app behavior, resulting in 12%-15% reduction in negative user feedback scores within 2022 using targeted events
- Optimized Angular web app by refining JSON parsing algorithm, reducing page load time by 10-20 seconds and increasing app responsiveness since early FY21 Q3

ADP, Roseland, NJ

Software Engineering Intern

May 2019 – Aug 2019

- Collaborated with engineers using IBM Watson for Slack NLP, gaining 100% adoption of solution alpha stage from test groups between May and June 2019

New Jersey Institute of Technology, Newark, NJ

Embedded Computing Research Assistant

Jan 2018 – Dec 2018

- Formulated C++ SLAM algorithm for lidars on NVIDIA Jetson boards enabling autonomous traversal decisions within 200ms, achieving low-latency solution for NJDOT
- Crafted data communication protocol for A2 lidar and Zumo robot, publishing system design to university research department
- Produced cost-effective Qt pothole mapping app using lidar data streaming pipelines, earning a \$10,000 TechQuest innovation grant in April 2018

EDUCATION

Stevens Institute of Technology, Hoboken, NJ

Master of Science, Machine Learning

Sept 2020 – May 2023

New Jersey Institute of Technology, Newark, NJ

Bachelor of Science, Computer Science

Sept 2016 – May 2020